

NOTE:
GROUNDING SYSTEM SHALL MEASURE
10 OHM OR LESS TO GROUND

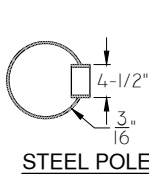
POLE REQUIREMENTS				
LENGTH	A	30 FT	30 FT (ALTERNATE)	35 FT
GAUGE		#3-1 PLY (MIN.)	#3-1 PLY (MIN.)	#3-1 PLY (MIN.)
POLE DIA AT TOP	B	8" MIN $\pm \frac{1}{2}$ "	7 $\frac{3}{4}$ " MIN $\pm \frac{1}{4}$ "	8" MIN $\pm \frac{1}{2}$ "
POLE DIA AT BOTTOM	B'	13" $\pm \frac{1}{2}$ "	11 $\frac{1}{4}$ " $\pm \frac{1}{4}$ "	13" $\pm \frac{1}{2}$ "
MAX DEFLECTION LOAD 18" F ROM TOP FOR UNGUYED POLE		3700 LBS	3700 LBS	3700 LBS
DEFLECTION 18" FROM TOP		NOT GREATER THAN 0.4"/100 LBS	NOT GREATER THAN 0.4"/100 LBS	NOT GREATER THAN 0.4"/100 LBS
FULL LENGTH TAPER		+0.003 IN/FT 0.14 IN/FT -0.000 IN/FT	+0.003 IN/FT 0.14 IN/FT -0.000 IN/FT	+0.003 IN/FT 0.14 IN/FT -0.000 IN/FT
BASE PLATE	D	20 IN	20 IN	20 IN
BASE PLAT THICKNESS	T	2 IN	2 IN	2 IN
ANCHOR BOLT CIRCLE	BC	20 IN	20 IN	20 IN
ANCHOR BOLT DIA	d	2 IN	2 IN	2 IN
ANCHOR BOLT LENGTH (INCLUDES 5" "L" BEND)		120 IN	120 IN	120 IN

ANCHOR BASE STEEL STRAIN POLE N.T.S.

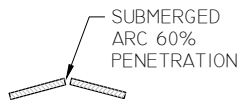
REQUIRED
UNION METAL
30' GALVANIZED POLE WITH ANCHOR BOLTS
OR EQUAL



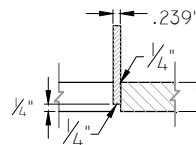
TYPICAL CROSS SECTION
(POLYGON OPTIONAL)



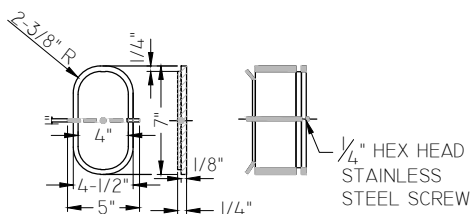
STEEL POLE



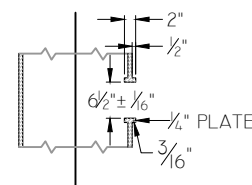
**LONGITUDINAL
WELD JOINT**



**BASE TO BASE
WELD JOINT**



HAND HOLE COVER



SECTION "A-A"

NOTES:

1. ACCEPTABLE MILL TOLERANCES TO APPLY TO ALL NOMINAL DIMENSIONS.
2. HANDHOLE SHALL BE PROVIDED & BE PERPENDICULAR TO EYE BOLT HOLE.
3. MATERIAL () GALVANIZED FINISH.
 - A. SHAFT STEEL SHALL BE ASTM A572. FY-50KSI.
 - B. BASE PLATE ASTM A36.
 - C. ALL GALVANIZING SHALL MEET ASTM A123.
 - D. ANCHOR BOLTS SHALL BE ASTM A307. FY-50KSI. IN ACCORDANCE WITH (ART. 8.07.14) OF MOOT SPECIFICATIONS.
4. WELDING
 - A. WELDING SHALL CONFORM TO AWS 01.1
 - B. ULTRASONIC INSPECTION FOR ALL 100% WELDS AND VISUAL AND/OR MAGNETIC PARTICLE FOR ALL OTHERS
5. TOLERANCES OVERALL HEIGHT +/- 1% I
 - A. SWEEP AN CHAMBER " PER FEET. 8
 - B. TWIST 10" MAX. OVERALL.
6. DESIGN CONFORMING TO CURRENT AASHTO
 - A. SPECIFICATIONS FOR DESIGN OF STRUCTURAL SUPPORTS FOR TRAFFIC SIGNALS ASSUMING A SAG OF 10% OF SPAN WITH MAXIMUM OF 5 SIGNALS WITH PLASTIC HEADS TETHERED.

CITY OF WYOMING
ENGINEERING DEPARTMENT

TRAFFIC SIGNAL POLE

DRAWN BY - SP
CHECKED BY - RH
DATE DRAWN - JUNE, 2008
DATE REVISED - JUNE, 2008

T-1A